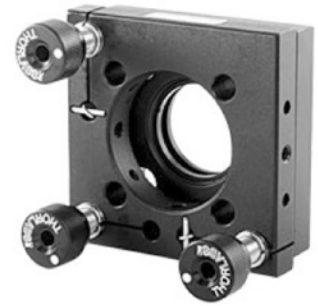


Kinematic Mount for 1" cages

Features

- $\pm 4^\circ$ Angular Rotation, $\pm 3\text{mm}$ Linear Translation
- Compatible with our 30mm Cage Assemblies
- Flexure Locking Mechanisms allow independent locking of all 3 adjuster.
- Clearance holes allow pivoting of front plate when assembled within a cage system

Model	Description
KCB1	Right Angle Kinematic Cage Block for $\varnothing 1"$ Optics
KC1/M	Kinematic Mirror Mount for $\varnothing 1"$ Optics (Metric)
KC1-T/M	Threaded Kinematic Mount for $\varnothing 1"$ Optics (Metric)



Piezo-Electric Kinematic Mounts

Features

- Combines the Mechanical Features of the KC1 with the Electro-Mechanical Features of our Piezo-Electric Stack
- Coarse and Fine Control of Both the Translation and the Angle of the Front Plate

Specifications

Mechanical

- 10 Arc Sec Angular Resolution
- $\pm 4^\circ$ Mechanical Angular Range
- 3mm Translational Range

Electro-Mechanical

- 0.06 Arc Sec Angular Resolution
- 30 Arc Sec Angular Range
- $8\mu\text{m}$ Translational Range

Piezo-Electric Driver

- Output Current : 60mA / Channel
- Frequency Response : DC-10kHz (1.4 μF capacitance load)
- 3 Independent voltage displays
- Very low noise electronics
- Turn-key system complete with all cables



Model	Description
KC1-PZ/M	Cage Assembly Piezoelectric Mount for $\varnothing 1"$ Optics
KC1-T-PZ/M	Threaded Cage Assembly Piezoelectric Mount for $\varnothing 1"$ Optics
PZ630-EC	Complete System : KC1-PZ Plus controller
PZ631-EC	Complete System : KC1-T-PZ Plus controller

Miniature Three-Axis Piezoelectric Mirror Mounts

Features

- Three degrees of motion : two angular and one translational
- 6-mm-diameter clear aperture for transmissive optics
- Can be driven at frequencies up to 3 kHz

PRODUCT NUMBER	Description
17 ASM 001	Mirror Mount (3.5- μm Piezoactuator Travel)
17 ASM 003	Mirror Mount (7.0- μm Piezoactuator Travel)
17 ASA 001	Adaptor for Mounting 17 ASM 001 or 003 to Grooved Top Platform
17 ASA 003	Adaptor for Mounting 17 ASM 001 or 003 to RMS-Threads or 25-mm Apertures

*Recommended piezoelectric driver "17 PCS 001". see page 209

